Amino-Terminal Modified Human Parathyroid Hormone (PTH) Analogs

Abstract

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PTH derivatives having one or more amino acid substitutions that confer PTH-1/PTH-2 receptor agonist properties comprising a biologically active peptide at least 90 % identical to a peptide consisting essentially of the formula:

- (a) X₀₁ValSerGluIleGlnLeuMetHisAsnLeuGlyLysHisLeuAs nSerMetGluArgValGluTrpLeuArgLysLysLeuGlnAspValHisAsnPhe (SEQ ID NO:1);
- (b) fragments thereof containing amino acids 1-29, 1-30, 1-31, 1-32, or 1-33;
 - (c) pharmaceutically acceptable salts thereof; or
 - (d) N- or C- derivatives thereof;

wherein:

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 X_{01} is desamino Ser, desamino Ala or desamino Gly, provided that said peptide is not desamino Ser¹ hPTH(1-31)NH₂ or desamino Ser¹ hPTH(1-34)NH₂.

A271-84.wpd